

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANTS: Peter GRAHLE, P. ET AL. - 2 PCT CONF. NO.: 4037
SERIAL NO.: 10/541,016 EXAMINER: DOUGLAS J. DUFF
FILED: JUNE 28, 2005 GROUP: 3748
TITLE: SINTERED METAL ROTOR OF A ROTARY PISTON PUMP

REQUEST FOR CORRECTED FILING RECEIPT

MAIL STOP: PCT

Attention: Legal Office

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

Dear Sir:

Attached is a copy of the Official Filing Receipt received from the Patent and Trademark Office in the above-identified application, which is in need of correction, to add the additional two inventors, as follows:

Under "Applicant(s)":

Peter Grahle, Feldbrunnen, SWITZERLAND;
Peter Haldemann, Grenchen, SWITZERLAND;
Walter Nunlist, Olten, SWITZERLAND;
Heinz Rhyn, Grossaffoltern, SWITZERLAND;


should be corrected to read:

Peter Grahle, Feldbrunnen, SWITZERLAND;
Peter Haldemann, Grenchen, SWITZERLAND;
Walter Nünlist, Olten, SWITZERLAND;
Heinz Rhyn, Grossaffoltern, SWITZERLAND;
Albert Friesen, Mönchengladbach, GERMANY;
Stanislaus Russ, Mönchengladbach, GERMANY;

It is respectfully requested that a corrected filing receipt be issued. As this error was on the part of the PTO as evidenced by the enclosed Supplemental Declaration/Power of Attorney signed by all six (6) inventors, which was submitted with a Request to Correct Inventorship to Add Inventors under 37 C.F.R. 1.48 filed June 20, 2007 (a copy of which is enclosed), no fee should be associated with this request. However, if there should be a fee the Commissioner is hereby authorized to charge Deposit Account No. 03-2468.

Respectfully submitted,
Peter GRAHLE ET AL

COLLARD & ROE, P.C.
1077 Northern Boulevard
Roslyn, New York 11576
(516) 365-9802


Frederick J. Dorchak, Reg.No. 29,298
Edward R. Freedman, Reg. No. 26,048
Attorneys for Applicants

cmm

Enclosures: copy of Official Filing Receipt, copy of Supplemental Declaration/Power of Attorney signed by all six (6) inventors, Copy of Request to Correct Inventorship to Add Inventors filed June 20, 2007

I hereby certify that this correspondence is being deposited with the U.S. Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on August 27, 2008.


Amy Klein



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

CP!
4/26/06.

APPL NO.	FILING OR 371 (c) DATE	ART UNIT	FIL FEE REC'D	ATTY. DOCKET NO	DRAWINGS	TOT CLMS	IND CLMS
10/541,016	06/28/2005	3746	900	GRAHLE, P. ET AL 2 PCT	2	15	1

CONFIRMATION NO. 4037

25889
WILLIAM COLLARD
COLLARD & ROE, P.C.
1077 NORTHERN BOULEVARD
ROSLYN, NY 11576

FILING RECEIPT



OC000000018551056

Date Mailed: 04/20/2006

Receipt is acknowledged of this regular Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please mail to the Commissioner for Patents P.O. Box 1450 Alexandria Va 22313-1450. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

Applicant(s)

Peter Grahle, Feldbrunnen, SWITZERLAND;
Peter Haldemann, Grenchen, SWITZERLAND;
Walter Nünlist, Olten, SWITZERLAND;
Heinz Rhyn, Grossaffoltern, SWITZERLAND;

*

Add

Albert Friesen, Mönchengladbach,
Germany;

Stanislaus Russ,
Mönchengladbach,
Germany;

Power of Attorney: The patent practitioners associated with Customer Number 25889.

Domestic Priority data as claimed by applicant

This application is a 371 of PCT/DE04/01239 06/16/2004

Foreign Applications

GERMANY 103 29 495.3 06/30/2003

Projected Publication Date: 07/27/2006

Non-Publication Request: No

Early Publication Request: No

Title

Sintered metal rotor of a rotary piston pump

Preliminary Class

417

PROTECTING YOUR INVENTION OUTSIDE THE UNITED STATES

Since the rights granted by a U.S. patent extend only throughout the territory of the United States and have no effect in a foreign country, an inventor who wishes patent protection in another country must apply for a patent in a specific country or in regional patent offices. Applicants may wish to consider the filing of an international application under the Patent Cooperation Treaty (PCT). An international (PCT) application generally has the same effect as a regular national patent application in each PCT-member country. The PCT process **simplifies** the filing of patent applications on the same invention in member countries, but **does not result** in a grant of "an international patent" and does not eliminate the need of applicants to file additional documents and fees in countries where patent protection is desired.

Almost every country has its own patent law, and a person desiring a patent in a particular country must make an application for patent in that country in accordance with its particular laws. Since the laws of many countries differ in various respects from the patent law of the United States, applicants are advised to seek guidance from specific foreign countries to ensure that patent rights are not lost prematurely.

Applicants also are advised that in the case of inventions made in the United States, the Director of the USPTO must issue a license before applicants can apply for a patent in a foreign country. The filing of a U.S. patent application serves as a request for a foreign filing license. The application's filing receipt contains further information and guidance as to the status of applicant's license for foreign filing.

Applicants may wish to consult the USPTO booklet, "General Information Concerning Patents" (specifically, the section entitled "Treaties and Foreign Patents") for more information on timeframes and deadlines for filing foreign patent applications. The guide is available either by contacting the USPTO Contact Center at 800-786-9199, or it can be viewed on the USPTO website at <http://www.uspto.gov/web/offices/pac/doc/general/index.html>.

For information on preventing theft of your intellectual property (patents, trademarks and copyrights), you may wish to consult the U.S. Government website, <http://www.stopfakes.gov>. Part of a Department of Commerce initiative, this website includes self-help "toolkits" giving innovators guidance on how to protect intellectual property in specific countries such as China, Korea and Mexico. For questions regarding patent enforcement issues, applicants may call the U.S. Government hotline at 1-866-999-HALT (1-866-999-4158).

LICENSE FOR FOREIGN FILING UNDER Title 35, United States Code, Section 184 Title 37, Code of Federal Regulations, 5.11 & 5.15

GRANTED

The applicant has been granted a license under 35 U.S.C. 184, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" followed by a date appears on this form. Such licenses are issued in all applications where the conditions for issuance of a license have been met, regardless of whether or not a license may be required as set forth in 37 CFR 5.15. The scope and limitations of this license are set forth in 37 CFR 5.15(a) unless an earlier license has been issued under 37 CFR 5.15(b). The license is subject to revocation upon written notification. The date indicated is the effective date of the license, unless an earlier license of similar scope has been granted under 37 CFR 5.13 or 5.14.

This license is to be retained by the licensee and may be used at any time on or after the effective date thereof unless it is revoked. This license is automatically transferred to any related applications(s) filed under 37 CFR

1.53(d). This license is not retroactive.

The grant of a license does not in any way lessen the responsibility of a licensee for the security of the subject matter as imposed by any Government contract or the provisions of existing laws relating to espionage and the national security or the export of technical data. Licensees should apprise themselves of current regulations especially with respect to certain countries, of other agencies, particularly the Office of Defense Trade Controls, Department of State (with respect to Arms, Munitions and Implements of War (22 CFR 121-128)); the Bureau of Industry and Security, Department of Commerce (15 CFR parts 730-774); the Office of Foreign Assets Control, Department of Treasury (31 CFR Parts 500+) and the Department of Energy.

NOT GRANTED

No license under 35 U.S.C. 184 has been granted at this time, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" DOES NOT appear on this form. Applicant may still petition for a license under 37 CFR 5.12, if a license is desired before the expiration of 6 months from the filing date of the application. If 6 months has lapsed from the filing date of this application and the licensee has not received any indication of a secrecy order under 35 U.S.C. 181, the licensee may foreign file the application pursuant to 37 CFR 5.15(b).



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANTS: Peter GRAHLE, ET AL.-2 PCT
SERIAL NO.: 10/541,016
FILED: JUNE 28, 2005 GROUP: 3746
TITLE: SINTERED METAL ROTOR OF A ROTARY PISTON PUMP

**REQUEST TO CORRECT INVENTORSHIP
TO ADD INVENTORS UNDER 37 CFR 1.48**

MAIL STOP AMENDMENT
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

Applicants hereby request that the above-identified application be amended to add ALBERT FRIESEN and STANISLAUS RUSS as additional joint inventors so that the inventors for this Patent Application are as follows:

Peter Grahle, a citizen of Switzerland, having an address at Steinenbergstrasse 9, CH-4532 Feldbrunnen, Switzerland;

Peter Haldemann, a citizen of Switzerland, having an address at Lerchenweg 14, CH-2540 Grenchen, Switzerland;

Walter Nünlist, a citizen of Switzerland, having an address at Maienstrasse 12, CH-4600 Olten, Switzerland;

Heinz Rhy, a citizen of Switzerland, having an address at Bierhübeli 26, Vorimholz, CH-3257 Grossaffoltern, Switzerland;

Albert Friesen, a citizen of Germany, having an address at
Liebfrauenstrasse 41, D-41066 Mönchengladbach, Germany; and

Stanislaus Russ, a citizen of Germany, having an address at
Teupestasse 36, D-41065 Mönchengladbach, Germany.

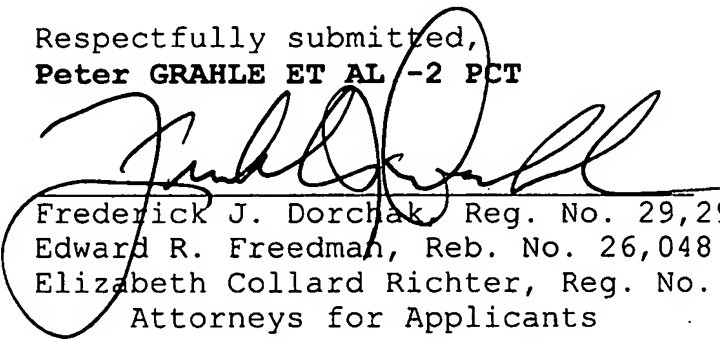
Accompanying this request are the following documents:

1. Statement under 37 C.F.R. §148(a) from the inventors to be added Albert Friesen and Stanislaus Russ that the error of inventorship occurred without deceptive intention on their part;
2. Declaration by all inventors, Messrs. Grahle, Haldemann, Nünlist, Rhyn, Friesen and Russ under 37 C.F.R. §1.63;
3. Processing fee of \$130.00 as set forth in 37 C.F.R. §1.17(i); and
4. Written Consent of the Assignees, MAHLE Motorkomponenten Schweiz AG and PIERBURG GmbH, along with a copy of the Assignment from four of the six inventors, Messrs. Grahle, Haldemann, Nünlist and Rhyn, to MAHLE Motorkomponenten Schweiz AG recorded at Reel 016834, frame 0165, a copy of an Assignment from the remaining two inventors added herein, Messrs. Friesen

and Russ, to MAHLE Motorkomponenten Schweiz AG and
PIERBURG GmbH which is being submitted for recordal
herewith, and a copy of an Assignment from MAHLE
Motorkomponenten Schweiz AG to MAHLE Motorkomponenten
Schweiz AG and PIERBERG GmbH with respect to the
inventors Grahle, Haldemann, Nünlist and Rhyn's right,
title and interest of the above-identified Application,
which is also being submitted for recordal herewith.

In view of the foregoing, Applicants respectfully request
that the inventorship for the above-identified Application be
amended so that each of Peter Grahle, Peter Haldemann, Walter
Nünlist, Heinz Rhyn, Albert Friesen and Stanislaus Russ be named
inventors in this Application.

Respectfully submitted,
Peter GRAHLE ET AL -2 PCT



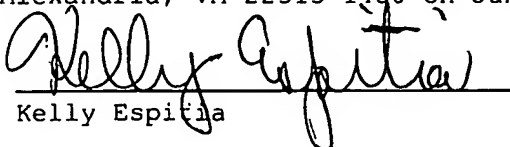
Frederick J. Dorchak, Reg. No. 29,298
Edward R. Freedman, Reg. No. 26,048
Elizabeth Collard Richter, Reg. No. 35,103
Attorneys for Applicants

COLLARD & ROE, P.C.
1077 Northern Boulevard
Roslyn, New York 11576
(516) 365-9802

FJD:gg

Enclosures: Statement Under 37 C.F.R. §1.48(a) from Albert Friesen
 Statement Under 37 C.F.R. §1.48(a) from Stanislaus Russ
 Declaration
 Assent of Assignees
 Copy of Assignment to MAHLE Motorkomponenten Schweiz AG
 Copy of Assignment from Messrs. Friesen and Russ
 Copy of Assignment from MAHLE Motorkomponenten Schweiz AG
 Check for \$130.00

I hereby certify that this correspondence is being deposited with the United States
Postal Service as first class mail in an envelope addressed to: Mail Stop: AMENDMENT,
Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on June 18, 2007.



Kelly Espitia



PATENTS

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANTS: GRAHLE, P. ET AL-2 PCT
SERIAL NO.: 10/541,016
FILED: JUNE 28, 2005 GROUP: 3746
TITLE: SINTERED METAL ROTOR OF A ROTARY PISTON PUMP

STATEMENT UNDER 37 C.F.R. §1.48(a)

MAIL STOP AMENDMENT
Honorable Commissioner of Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

I, ALBERT FRIESEN, hereby declare and state that I am a co-inventor and the failure to name me as a joint inventor occurred without deceptive intention.

Date: 22.02.07

Albert Friesen
ALBERT FRIESEN



PATENTS

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANTS: GRAHLE, P. ET AL-2 PCT
SERIAL NO.: 10/541,016
FILED: JUNE 28, 2005 GROUP: 3746
TITLE: SINTERED METAL ROTOR OF A ROTARY PISTON PUMP

STATEMENT UNDER 37 C.F.R. §1.48(a)

MAIL STOP AMENDMENT
Honorable Commissioner of Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

I, STANISLAUS RUSS, hereby declare and state that I am a co-inventor and the failure to name me as a joint inventor occurred without deceptive intention.

Date: 22.02.07



STANISLAUS RUSS

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name,

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

SINTERED METAL ROTOR OF A ROTARY PISTON PUMP

the specification of which (check only one item below):

- ☐ is attached hereto.
- ☐ was filed as United States application
Serial No. _____,
on _____
and was amended
on _____ (if applicable).
- ☒ was filed as PCT international application
Number PCT/DE2004/001239,
on June 16, 2004
and was amended under PCT Article 19
on _____ (if applicable).

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the patentability of this application in accordance with Title 37, Code of Federal Regulations, §1.56(a).

I hereby claim foreign priority benefits under Title 35, United States Code, §119 of any foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America listed below and have also identified below any foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed:

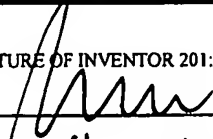

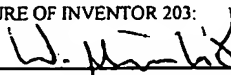
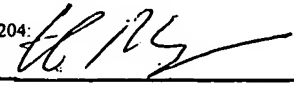
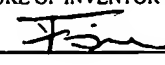
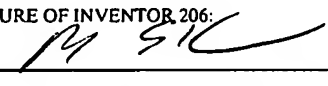
PRIOR FOREIGN/PCT APPLICATION(S) AND ANY PRIORITY CLAIMS UNDER 35 U.S.C. 119:

COUNTRY (if PCT, indicate "PCT")	APPLICATION NUMBER	DATE OF FILING (day, month, year)	PRIORITY CLAIMED UNDER 35 U.S.C. 119
GERMANY	103 29 495.3	30 June 2003	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
			<input type="checkbox"/> YES <input type="checkbox"/> NO

COMBINED DECLARATION FOR PATENT APPLICATION AND POWER OF ATTORNEY (Includes Reference to PCT International Applications)			ATTORNEY'S DOCKET NUMBER GRAHLE, P. ET AL 2 PCT	
I hereby claim the benefit under Title 35, United States Code, Section 119(e) of any United States provisional application(s) listed below.				
(Application Number)			(Filing Date)	
I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) or PCT international application(s) designating the United States of America that is/are listed below and, insofar as the subject matter of each of the claims of this application is not disclose in that/those prior application(s) in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, §1.56(a) which occurred between the filing date of the prior application(s) and the national or PCT international filing date of this application:				
PRIOR U.S. APPLICATIONS OR PCT INTERNATIONAL APPLICATIONS DESIGNATING THE U.S. FOR BENEFIT UNDER 35 U.S.C. 120:				
U.S. APPLICATIONS			STATUS (Check One)	
U.S. APPLICATION NUMBER	U.S. FILING DATE	PATENTED	PENDING	ABANDONED
PCT APPLICATIONS DESIGNATING THE U.S.				
POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith. (List name and registration numbers): <div style="display: flex; justify-content: space-between;"> <div> KURT KELMAN, Registration No. 18,628 ALLISON C. COLLARD, Registration No. 22,532; EDWARD R. FREEDMAN, Registration No. 26,048; ELIZABETH COLLARD RICHTER, Registration No. 35,103; </div> <div> FREDERICK J. DORCHAK, Registration No. 29,298 WILLIAM C. COLLARD, Registration No. 38,411 EDWARD J. CALLAGHAN, Registration No. 46,594 </div> </div>				
Send Correspondence to:		COLLARD & ROE, P.C. 1077 Northern Boulevard Roslyn, New York 11576	Customer No. 25889	Direct Telephone Calls to: (name and telephone number) (516) 365-9802
2	FULL NAME OF INVENTOR	FAMILY NAME GRAHLE	FIRST GIVEN NAME Peter	SECOND GIVEN NAME
0	RESIDENCE & CITIZENSHIP	CITY Feldbrunnen	STATE OR FOREIGN COUNTRY SWITZERLAND	COUNTRY OF CITIZENSHIP SWITZERLAND
1	POST OFFICE ADDRESS	POST OFFICE ADDRESS Steinenbergstrasse 9	CITY CH-4532 Feldbrunnen	STATE & ZIP CODE/COUNTRY SWITZERLAND
2	FULL NAME OF INVENTOR	FAMILY NAME HALDEMANN	FIRST GIVEN NAME Peter	SECOND GIVEN NAME
0	RESIDENCE & CITIZENSHIP	CITY Grenchen	STATE OR FOREIGN COUNTRY SWITZERLAND	COUNTRY OF CITIZENSHIP SWITZERLAND
2	POST OFFICE ADDRESS	POST OFFICE ADDRESS Lerchenweg 14	CITY CH-2540 Grenchen	STATE & ZIP CODE/COUNTRY SWITZERLAND
2	FULL NAME OF INVENTOR	FAMILY NAME NÜNLIST	FIRST GIVEN NAME Walter	SECOND GIVEN NAME
0	RESIDENCE & CITIZENSHIP	CITY Oltten	STATE OR FOREIGN COUNTRY SWITZERLAND	COUNTRY OF CITIZENSHIP SWITZERLAND
3	POST OFFICE ADDRESS	POST OFFICE ADDRESS Maienstrasse 12	CITY CH-4600 Oltten	STATE & ZIP CODE/COUNTRY SWITZERLAND

2	FULL NAME OF INVENTOR	FAMILY NAME RHYN	FIRST GIVEN NAME Heinz	SECOND GIVEN NAME
0	RESIDENCE & CITIZENSHIP	CITY Grossaffoltern	STATE OR FOREIGN COUNTRY SWITZERLAND	COUNTRY OF CITIZENSHIP SWITZERLAND
4	POST OFFICE ADDRESS	POST OFFICE ADDRESS Bierhübeli 26, Vorimholz	CITY CH-3257 Grossaffoltern	STATE & ZIP CODE/COUNTRY SWITZERLAND
2	FULL NAME OF INVENTOR	FAMILY NAME FRIESEN	FIRST GIVEN NAME Albert	SECOND GIVEN NAME
0	RESIDENCE & CITIZENSHIP	CITY Mönchengladbach	STATE OR FOREIGN COUNTRY GERMANY	COUNTRY OF CITIZENSHIP GERMANY
5	POST OFFICE ADDRESS	POST OFFICE ADDRESS Liebfrauenstrasse 41	CITY D-41066 Mönchengladbach	STATE & ZIP CODE/COUNTRY GERMANY
2	FULL NAME OF INVENTOR	FAMILY NAME RUSS	FIRST GIVEN NAME Stanislaus	SECOND GIVEN NAME
0	RESIDENCE & CITIZENSHIP	CITY Mönchengladbach	STATE OR FOREIGN COUNTRY GERMANY	COUNTRY OF CITIZENSHIP GERMANY
6	POST OFFICE ADDRESS	POST OFFICE ADDRESS Teupestrasse 36	CITY D-41065 Mönchengladbach	STATE & ZIP CODE/COUNTRY GERMANY

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

SIGNATURE OF INVENTOR 201:  DATE: 13.03.2007	SIGNATURE OF INVENTOR 202:  DATE: 13.3.07
SIGNATURE OF INVENTOR 203:  DATE: 13.3.07	SIGNATURE OF INVENTOR 204:  DATE: 13.3.07
SIGNATURE OF INVENTOR 205:  DATE: 05.06.2007	SIGNATURE OF INVENTOR 206:  DATE: 05.06.2007



PATENTS

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANTS: GRAHLE, P. ET AL - 2 PCT
SERIAL NO.: 10/541,016
FILED: JUNE 28, 2005 GROUP: 3746
TITLE: SINTERED METAL ROTOR OF A ROTARY PISTON PUMP

**ASSENT OF ASSIGNEE TO ADDITION OF INVENTOR
UNDER 37 C.F.R. §1.48(a)**

MAIL STOP AMENDMENT

Honorable Commissioner of Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

MAHLE MOTORKOMPONENTEN SCHWEIZ AG, a corporation of Switzerland, having an office at Niklaus-Wengi-Strasse 10, CH-2540 Grenchen, Switzerland, and PIERBURG GMBH, a corporation of Germany, having an office at Alfred-Pierburg-Strasse 1, D-41460 News, Germany, state that they are the assignees of the entire right, title and interest in the patent application identified above by virtue of an assignment from the inventors Peter Grahle, Peter Haldemann, Walter Nünlist, Heinz Rhyn to MAHLE MOTORKOMPONENTEN SCHWEIZ AG recorded on July 29, 2005 at Reel 016834, Frame 0165, an assignment from the inventors to be added Albert Friesen and Stanislaus Russ to MAHLE

MOTORKOMPONENTEN SCHWEIZ AG and PIERBURG GMBH attached hereto,
and an assignment from MAHLE MOTORKOMPONENTEN SCHWEIZ AG to MAHLE
MOTORKOMPONENTEN SCHWEIZ AG and PIERBURG GMBH attached hereto.

MAHLE MOTORKOMPONENTEN SCHWEIZ AG and PIERBURG GMBH hereby
assent to the correction of inventorship filed herewith.

The undersigned (whose title is supplied below) is
authorized to act on behalf of the respective assignee.

MAHLE MOTORKOMPONENTEN SCHWEIZ AG

Date:

13th march 2007

Name:

Dr. Peter Gmiele

Title:

Managing Director

PIERBURG GMBH

Date:

05.06.2007

Name:

A. Friesen

Title: Senior Manager

ter Smitten

Prokurist

Pierburg GmbH 06. Juni. 2007

ASSENT OF ASSIGNEE UNDER 37 CFR 1.48.doc

(Hans ter Smitten)
Prokurist

(Gerd Zimutta)
Prokurist

ASSIGNMENT

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, each undersigned inventor has sold and assigned, and by these presents hereby sells and assigns, unto

name and
address of
assignee

MAHLE MOTORKOMPONENTEN SCHWEIZ AG
Niklaus-Wengi-Strasse 10
CH-2540 Grenchen
Switzerland

(hereinafter ASSIGNEE) all right, title and interest for the United States, its territories and possessions in and to his invention relating to

title of
invention

SINTERED METAL ROTOR OF A ROTARY PISTON PUMP

as set forth in his United States Patent Application

check ☐ executed concurrently herewith
one ☐ executed on _____

☒ PCT Application No. PCT/DE2004/001239 filed June 16, 2004

in and to said United States Patent Application including any and all divisions or continuations thereof and in and to any and all Letters Patent of the United States which may issue on any such application or for said invention, including any and all reissues or extensions thereof, to be held and enjoyed by said ASSIGNEE, its successors, legal representatives and assigns to the full end of the term or terms for which any and all such Letters Patent may be granted as fully and entirely as would have been held and enjoyed by the undersigned had this Assignment not been made;

Each of the undersigned hereby authorizes and requests the Commissioner of Patents and Trademarks to issue any and all such Letters Patent to said ASSIGNEE, its successors or assigns in accordance herewith;

Each of the undersigned warrants and covenants that he has the full and unencumbered right to sell and assign the interests herein sold and assigned and that he has not executed and will not execute any document or instrument in conflict herewith;

Each of the undersigned further covenants and agrees that at any time upon request of said ASSIGNEE, its successors, legal representatives or assigns he will communicate to said ASSIGNEE, its successors, legal representatives or assigns all information known to him relating to said invention or patent application and that he will execute and deliver any papers, make all rightful oaths, testify in any legal proceedings and perform all other lawful acts deemed necessary or desirable by said ASSIGNEE, its successors, legal representatives or assigns to perfect title to said invention, to said application including divisions and continuations thereof and to any and all Letters Patent which may be granted therefor or thereon, including reissues or extensions, in said ASSIGNEE, its successors, or assigns or to assist said ASSIGNEE, its successors, legal representatives or assigns in obtaining, reissuing or enforcing Letters Patent of the United States for said invention;

Each of the undersigned hereby grants the firm of COLLARD & ROE, P.C., 1077 Northern Boulevard, Roslyn, New York 11576, U.S.A., the power to insert in this Assignment any further identification which may be necessary or desirable to comply with the rules of the U.S. Patent and Trademark Office for recordation of this Assignment.

name and
signature
of inventors

Name: Peter GRAHLE

Date: 25.04.05

Name: Walter NUNLIST

Date: 28.04.05

Name: Peter HALDEMANN

Date: 28.04.05

Name: Heinz RHYN

Date: 27.04.05

ASSIGNMENT

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, each undersigned inventor has sold and assigned, and by these presents hereby sells and assigns, unto

Name and Address of Assignee
MAHLE Motorkomponenten Schweiz AG
Niklaus Wengi-Strasse 10
CH-2540 Grenchen, Switzerland
and
PIERBURG GMBH
Alfred-Pierburg Strasse 1
D-41460 Neuss, Germany

(hereinafter ASSIGNEE) all right, title and interest for the United States, its territories and possessions in and to his invention relating to

Title of Invention
SINTERED METAL ROTOR OF A ROTARY PISTON PUMP

as set forth in his United States Patent Application

☐ executed concurrently herewith

☐ executed on _____

☒ Serial No. 10/541,016 filed June 28, 2005

in and to said United States Patent Application including any and all divisions or continuations thereof and in and to any and all Letters Patent of the United States which may issue on any such application or for said invention, including any and all reissues or extensions thereof, to be held and enjoyed by said ASSIGNEE, its successors, legal representatives and assigns to the full end of the term or terms for which any and all such Letters Patent may be granted as fully and entirely as would have been held and enjoyed by the undersigned had this Assignment not been made;

Each of the undersigned hereby authorizes and requests the Commissioner of Patents and Trademarks to issue any and all such Letters Patent to said ASSIGNEE, its successors or assigns in accordance herewith;

Each of the undersigned warrants and covenants that he has the full and unencumbered right to sell and assign the interests herein sold and assigned and that he has not executed and will not execute any document or instrument in conflict herewith;

Each of the undersigned further covenants and agrees that at any time upon request of said ASSIGNEE, its successors, legal representatives or assigns he will communicate to said ASSIGNEE, its successors, legal representatives or assigns all information known to him relating to said invention or patent application and that he will execute and deliver any papers, make all rightful oaths, testify in any legal proceedings and perform all other lawful acts deemed necessary or desirable by said ASSIGNEE, its successors, legal representatives or assigns to perfect title to said invention, to said application including divisions and continuations thereof and to any and all Letters Patent which may be granted therefor or thereon, including reissues or extensions, in said ASSIGNEE, its successors, or assigns or to assist said ASSIGNEE, its successors, legal representatives or assigns in obtaining, reissuing or enforcing Letters Patent of the United States for said invention;

Each of the undersigned hereby grants the firm of COLLARD & ROE, P.C., 1077 Northern Boulevard, Roslyn, New York 11576, U.S.A., the power to insert in this Assignment any further identification which may be necessary or desirable to comply with the rules of the U.S. Patent and Trademark Office for recordation of this Assignment.

Name: Albert FRIESEN
Date: 22.02.07

Name: Stanislaus RUSS
Date: 22.02.07

names and
names and
signatures
of inventors

ASSIGNMENT OF U.S. PATENT APPLICATION

WHEREAS, MAHLE MOTORKOMPONENTEN SCHWEIZ AG, having a place of business at Niklaus-Wengi-Strasse 10, CH-2540 Grenchen, Switzerland, (hereinafter referred to as "MAHLE"), is the owner, by assignment recorded on July 29, 2005, Reel 016834, Frame 0165, of the inventors' Peter Grahle, Peter Haldemann, Walter Nünlist, and Heinz Rhyh right, title and interest of the U.S. patent application Serial No. 10/541,016, filed: June 28, 2005, entitled: "Sintered Metal Rotor of a Rotary Piston Pump" (hereinafter referred to as the U.S. PATENT APPLICATION;

WHEREAS, MAHLE and PIERBURG GMBH, having a place of business at Alfred-Pierburg-Strasse 1, D-41460 Neuss, Germany, (hereinafter referred to as "PIERBURG"), are the owners, by assignment of the inventors' Albert Friesen and Stanislaus Russ right, title and interest in said U.S. PATENT APPLICATION;

WHEREAS MAHLE and PIERBURG (together MAHLE and PIERBURG are collectively referred to as ASSIGNEES) are desirous of acquiring the entire right, title and interest of said U.S. PATENT APPLICATION for all of the inventors, and the invention covered thereby;

NOW, THEREFORE, in consideration of ONE DOLLAR (\$1.00) and/or other good and valuable consideration, the receipt of which is hereby acknowledged, MAHLE, by these presents, does sell, assign, and transfer unto ASSIGNEES, its entire right, title and interest of its right in and to said U.S. PATENT APPLICATION, and the invention covered thereby, said invention and subsequent patent to be held and enjoyed to the extent of the interest hereby assigned, by ASSIGNEES, for their own use and enjoyment and that of their respective legal representatives, and assigns to the full end of the terms of said U.S. PATENT APPLICATION and subsequent patent, as fully and entirely as the same would have been held by MAHLE, had this assignment and sale not been made.

MAHLE MOTORKOMPONENTEN SCHWEIZ AG

by: _____

Name: _____

Title: _____

Date: _____

Dr. Peter Grahle

Managing Director

13th March 2007